

**FY-2001 PROPOSED SCOPE OF WORK for:**  
Operation and Maintenance of Gages

**Project #:** 8

Lead Agency: U.S. Fish and Wildlife Service

Submitted by: Division of Water Resources  
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Category:

- ☒ Ongoing project  
☐ Ongoing-revised project  
☐ Requested new project  
☐ Unsolicited proposal

Expected Funding Source:

- ☐ Annual funds  
☐ Capital funds  
☐ O&M funds  
☒ Other Section 7

I. Title of Proposal:

Operation and Maintenance of Gages Important to the Recovery Implementation Program. (Section 7 Funds)

II. Relationship to RIPRAP:

<u>Task #</u>	<u>Task Description</u>
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**Colorado River Action Plan**

I.A.3.c.(3)(a) Deliver Ruedi flows to the 15-Mile Reach.

**Green River Action Plan**

I.A.1 Identify flows needed for recovery.

I.A.3 Deliver identified flows

**Yampa River Action Plan**

I.A.1 Identify flows needed for recovery

I.A.4a.(1) Steamboat Lake Lease delivery flows

I.A.4a.(3)(e) Install and/or operate gages

III. Study Background/Rationale and Hypotheses:

Over the years, the Recovery Program has identified a need to expand flow gaging in the basin to support development of flow recommendations, quantify sediment movement, and administer water secured for endangered fish. This Scope of work consolidates the

Recovery Program gaging program with the U. S. Geological Survey and cooperating agencies. Cooperators are the Colorado Division of Wildlife and the Central Utah Water Conservancy District. Gages are funded with Section 7 funds that are passed through the cooperating agencies to USGS. When long term funding is established for the Recovery Program, funding responsibilities for these gages will be assumed by the Recovery Program.

IV. Study Goals, Objectives, End Products:

Provide a basis for refining the flow recommendations for the important stream reaches of the Colorado, Yampa, and Duchesne Rivers.

Provide a benchmark for future monitoring by video or aerial photography.

Aid in scheduling releases from Ruedi and other water sources which may be acquired by the Recovery Program.

Provide basic information for sediment modeling for the Little Snake and Yampa Rivers.

V. Description of Past Performance:

The Palisade gages have been operating continuously since 1990. The gages on the Duchesne and Uinta Rivers have been operating for one or two years. Gages on the Yampa River have operating for four years.

VI. Study Area:

Colorado, Yampa, and Duchesne Rivers.

VII. Study Methods/Approach:

The Recovery Program will work with the Fish and Wildlife Foundation, the Colorado Division of Wildlife and the Central Utah Water Conservancy District, to contract with the U.S. Geological Survey for the operation of gages important to the program.

VIII. Task Description and Schedule:

A. Geological Survey will operate and maintain the 15-Mile gage installed in FY-90 by the Recovery Program.

B. Geological Survey will operate and maintain the two gages installed on the Yampa River in FY-97 by the Recovery Program.

C. Geological Survey will operate and maintain the gages installed on the Duchesne and Uinta Rivers in FY-97 by the Central Utah Water Conservancy District.

- D. Geological Survey will operate and maintain the temperature equipment installed on the Duchesne and Uinta Rivers in FY-97 by the District.
  - E. Geological Survey will operate and maintain the temperature equipment installed on Jensen Gage in FY-98 for the Program.
  - F. Geological Survey will operate and maintain the gage installed on the Price River during the summer 2000. The gage was requested by the Biology Committee and installed by the USGS using funding from Bureau of Reclamation. River stage/flow and temperature will be collected.
  - G. Geological Survey will produce daily flow and temperature records that will be published in the annual water resource paper for Colorado and Utah. Data will also be available on Colorado Water Talk and on the USGS web site.
- IX. Study Schedule: Operation begins October 1, of each year, and continues through September 30, of the following year.
- X. FY- 2001 Budget:

Station Name	Total Cost	UCRIP Cost	CUWCD Cost
Colorado River Near Palisade	\$5,400	\$5,400	\$0
Yampa River Above Little Snake	\$5,400	\$5,400	\$0
Yampa River Below Little Snake	\$5,400	\$5,400	\$0
Green River near Jensen (DCP & Tmp)	\$3,000	\$3,000	\$0
Duchesne River near Randlett	\$5,000	\$0	\$5,000
Duchesne River above Randlett	\$6,000	\$6,000	\$0
Uinta River at Randlett	\$6,000	\$6,000	\$0
Duchesne River near Randlett (Tmp)	\$2,000	\$2,000	\$0
Price River Flow and (Temp)	<u>\$9,700</u>	<u>\$9,700</u>	<u>\$0</u>
TOTAL:	\$47,900	\$42,900	\$5,000

- XI. FY- 2002 Budget:

The operation and maintenance would be a recurring cost that increases \$250.00 each year, reflecting a FY-2002 cost of approximately \$53,000.

- XII. Budget Summary:

FY- 2001	\$48,300
FY- 2002	\$53,000
FY- 2002	\$57,000